

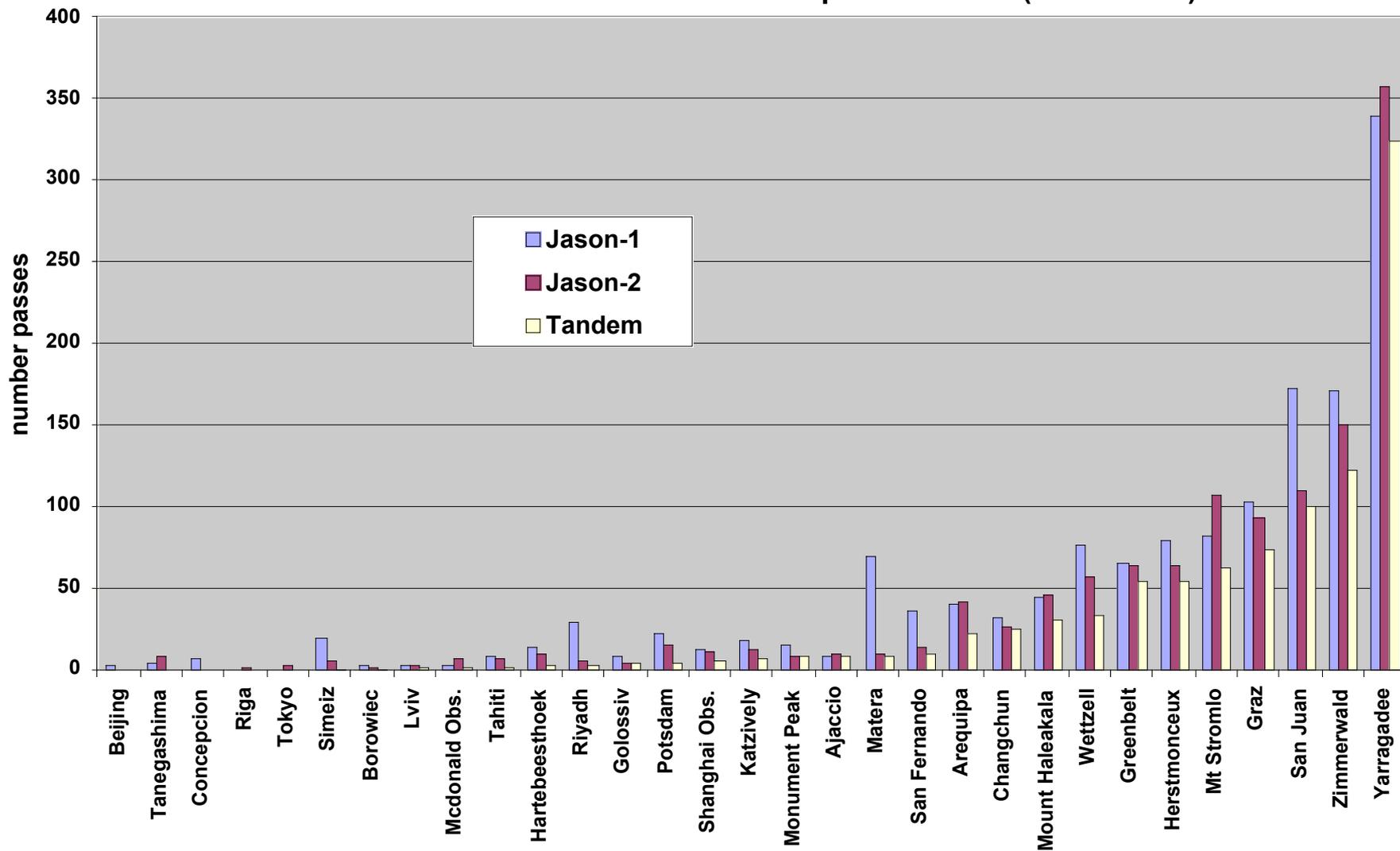
Jason-2 SLR System & POD Status

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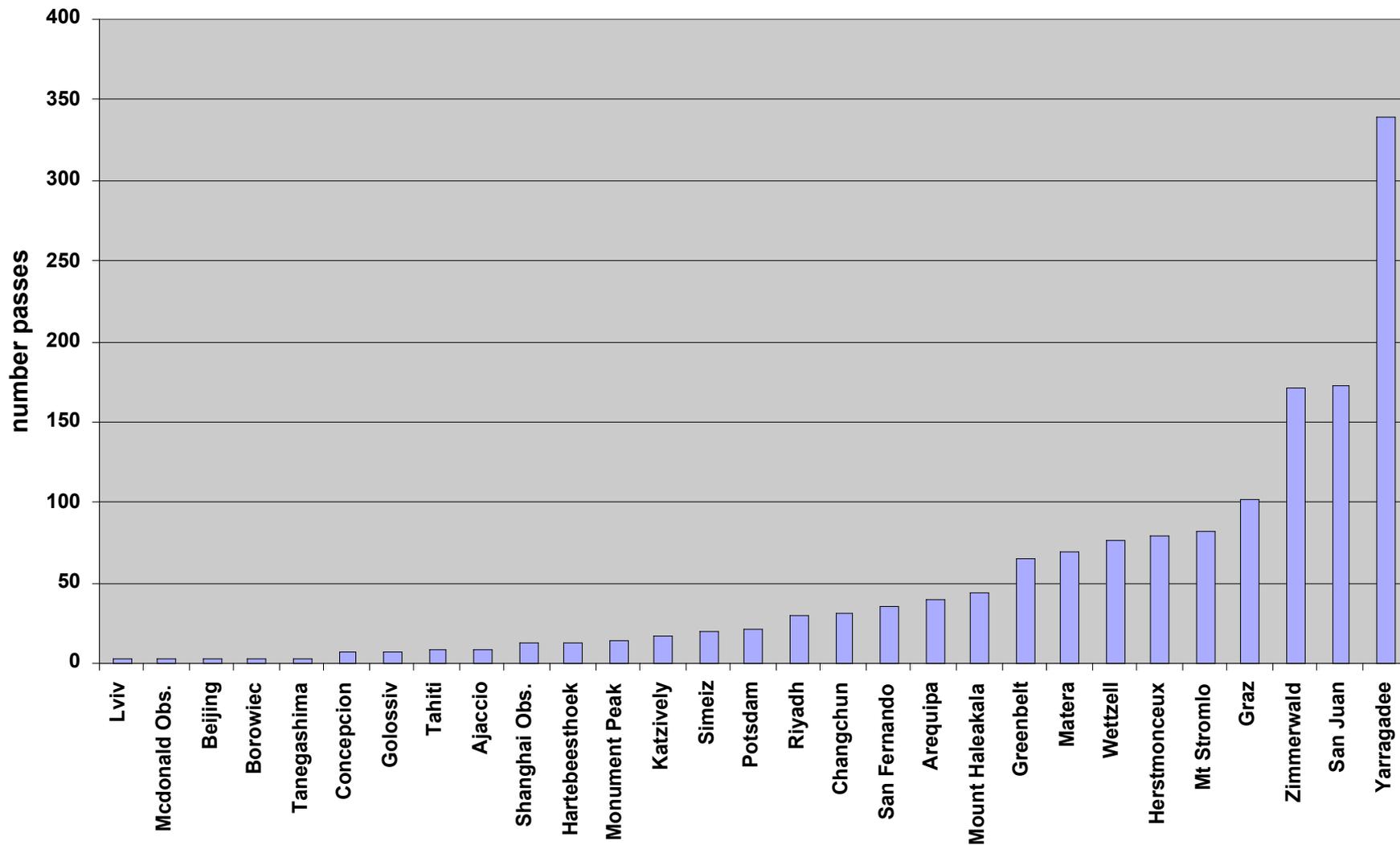
Jason-2 SLR/LRA Status

- SLR Tracking of Jason-2 has been nominal.
- LRA Returns are the same power as Jason-1.
- Stations report no problems, and Many stations are tracking Jason-1 & Jason-2 in tandem mode (interleaving observations between the spacecraft during the same orbital pass).
- The Top stations for Tandem SLR tracking of Jason-1/Jason-2 (24 June to September 1, 2008) are **Yarragadee, Australia** (324 passes), **Zimmerwald, Switzerland** (123 passes), **San Juan, Argentina** (100 passes), **Graz, Austria** (74 passes), **Mt Stromlo, Australia** (63 passes) **Herstmonceux, U.K.** (55 passes) and **Greenbelt, U.S.A.** (54 passes)

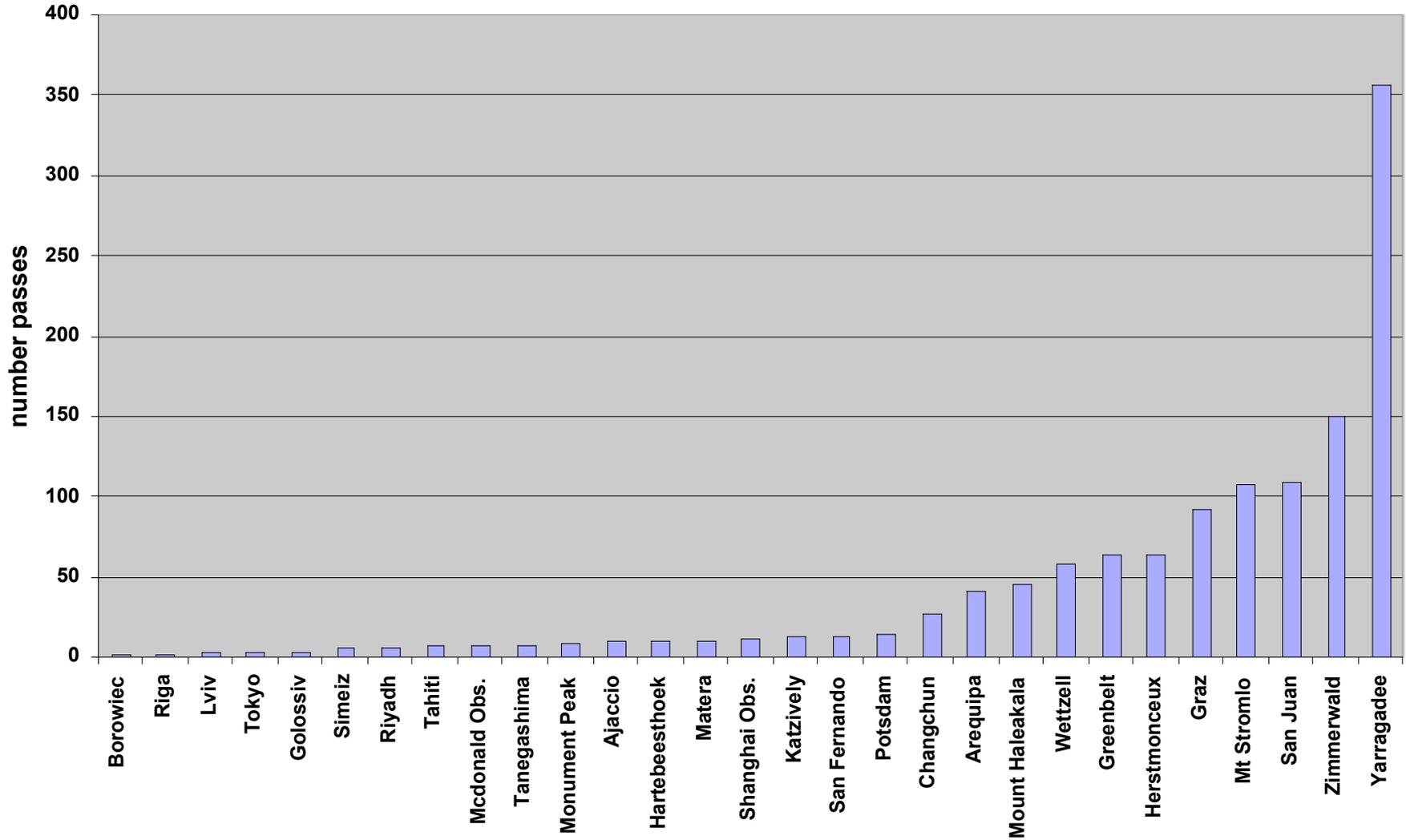
Jason-1/Jason-2 Passes June 24 '08 - September 1 '08 (31 stations)



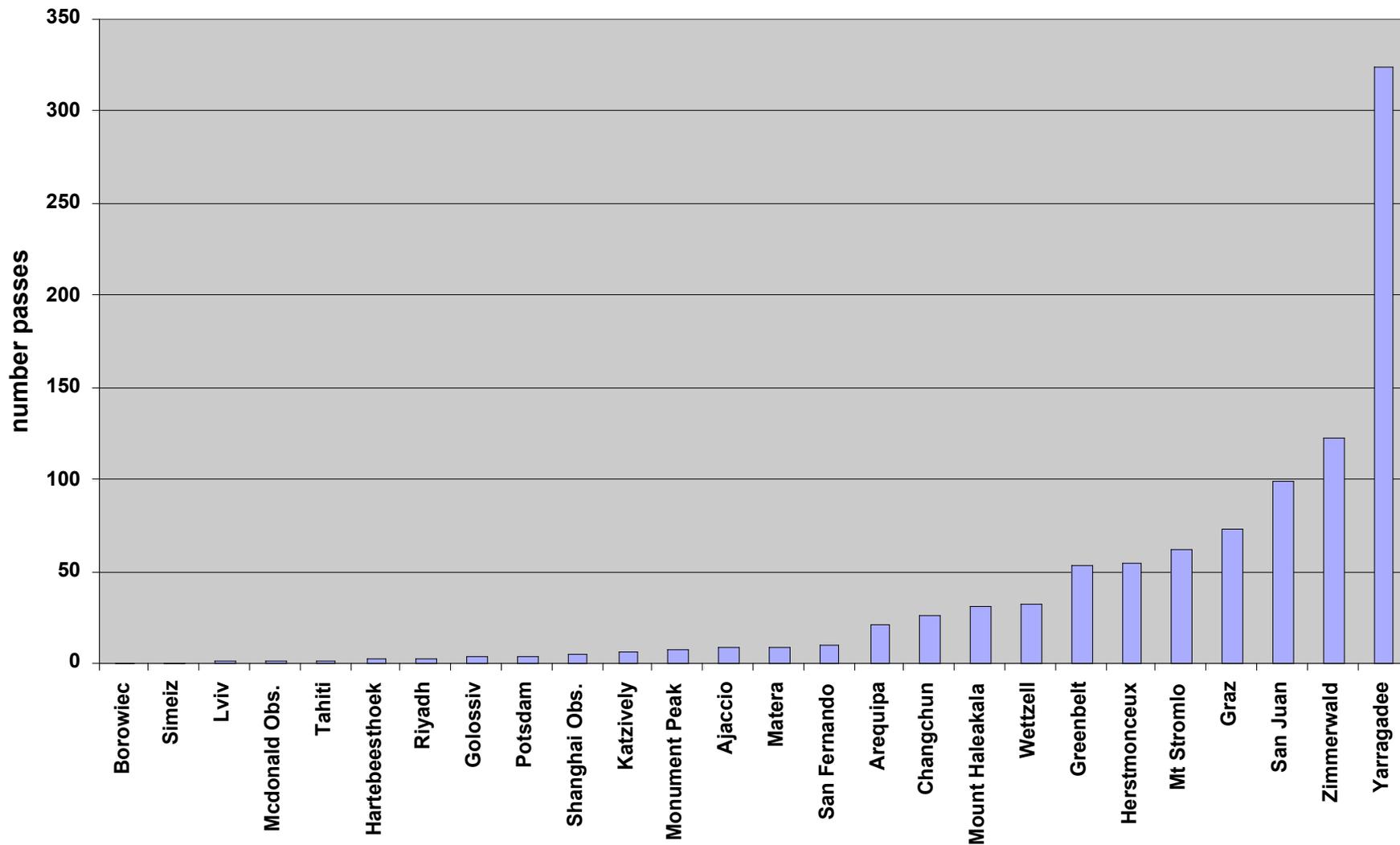
Jason-1 SLR Passes June 24 '08 - September 1 '08 (29 stations)



Jason-2 SLR Passes June 24 '08 - September 1 '08 (29 stations)



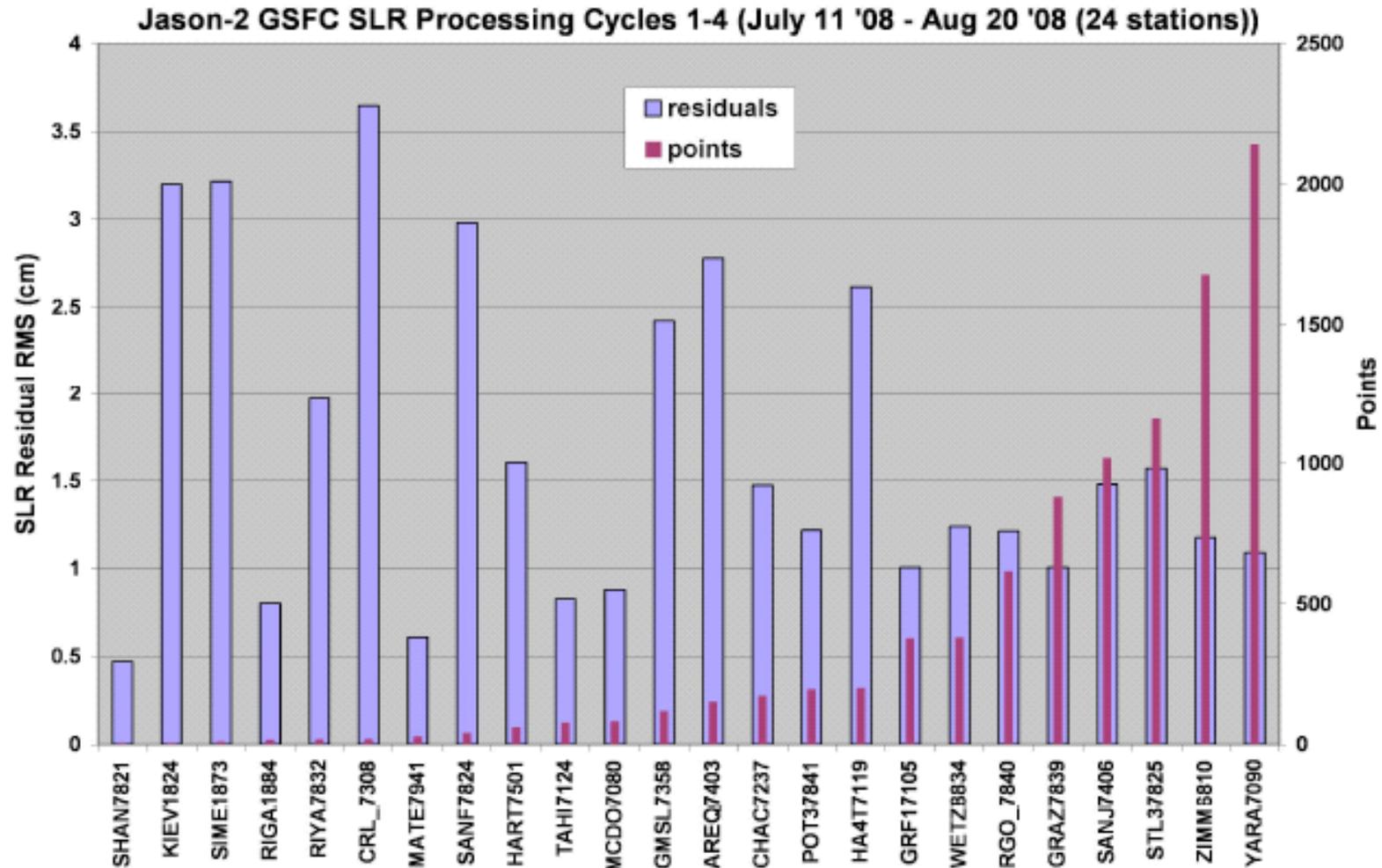
Jason-1/Jason-2 Tandem SLR Passes June 24 '08 - Sept 1 '08 (26 stations)



Preliminary POD Results

Models and Parameterization: EIGEN-GL04S (120x120) gravity, IERS standard C21, S21, & zonal drift terms, -6hr atmosphere gravity, 20x20 annual gravity from 4-years GRACE, IERS2003 Tides, GOT4.7 Ocean tides, SLRF2005 / DPOD2005 (station coordinates), macromodel, dynamic solution (drag Cd/8hrs, along-track/cross-track opr/24hrs).

Jason-2 SLR-only POD Solutions			
Cycle	Npts	WMean (cm)	WRMS (cm)
1	1910	0.246	0.979
2	2301	0.036	0.946
3	2224	0.048	0.922
4	3022	0.097	1.047



SLR RMS Residuals are with respect to SLRF2005 and associated bias and data sigma strategy. LPOD2005 (coordinate update from John Ries, UTCSR) shows improvement for some stations (Zimmerwald, Arequipa, Riyadh, Ajaccio).

Jason-2 RMS Orbit Difference Summary (Preliminary Results)

RMS Orbit Differences (cm)			
Orbits	Radial	Cross-track	Along-track
GSFC_slr-CNES_slr+dor cycle 1	1.3	4.2	6.8
GSFC_slr-CNES_slr+dor+gps cycle 1	2.1	3.6	5.9
GSFC_slr-CNES_slr+dor+gps IERS drift cycle 1	2.0	3.6	6.0
GSFC_slr-JPL_gps_red cycle 1	2.2	3.6	6.5
GSFC_slr-JPL_gps_red cycle 2	2.8	3.9	9.3

Jason-2 Orbit Depot on NASA CDDIS

- GSFC SLR-only Orbits :

<ftp://cddis.gsfc.nasa.gov/pub/misc/test/JasonOrbits/gsfc>

- JPL GPS-Red-Dyn Orbits:

<ftp://cddis.gsfc.nasa.gov/pub/misc/test/JasonOrbits/jpl>